

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054367 A1

(51) International Patent Classification⁷: **C08L 71/03**,
79/02, D06P 1/00, C08K 5/17

(21) International Application Number:
PCT/GB2004/004353

(22) International Filing Date: 14 October 2004 (14.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
GB0326815.8 18 November 2003 (18.11.2003) GB

(71) Applicant (for all designated States except US):
REGENCY CHEMICAL COMPANY LIMITED
[GB/GB]; 5 Mill Lane, Long Clawson, Melton Mowbray,
Leicestershire LE14 4NU (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **STEADMAN, Roger,**
John [GB/GB]; 5 Mill Lane, Long Clawson, Melton Mow-
bray, Leicestershire LE14 4NU (GB).

(74) Agent: **WP THOMPSON & CO**, Coppers Building,
Church Street, Liverpool L1 3AB (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, GR, GU, HD, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SV, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NR, SN, TD, TG).

Declaration under Rule 4.17:

--- as to non-prejudicial disclosures or exceptions to lack of
novelty (Rule 4.17(v)) for all designations

Published:

--- with international search report

--- with a declaration as to non-prejudicial disclosures or ex-
ceptions to lack of novelty

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **POLYMER COMPOSITION FOR ENCAPSULATING A CHEMICAL AGENT COMPRISING AN OXIRANE COM-
POSITION**

(57) Abstract: The present invention relates to a polymer composition for encapsulating or carrying a chemical and/or biological agent, comprising either a polyamine or oxirane composition or mixture thereof. The present invention also relates to a substrate at least partially coated or wrapped with the composition and a method thereof, in addition to a method of dyeing fabrics using the composition.

WO 2005/054367 A1